

# SHADOW

COMICS

VOL. 3 NO. 12  
MARCH, 1944

10c



**BEWARE! YOU ARE IN DANGER!**

I am THADE, and only the SHADOW stands  
between me and you...and you...and you!





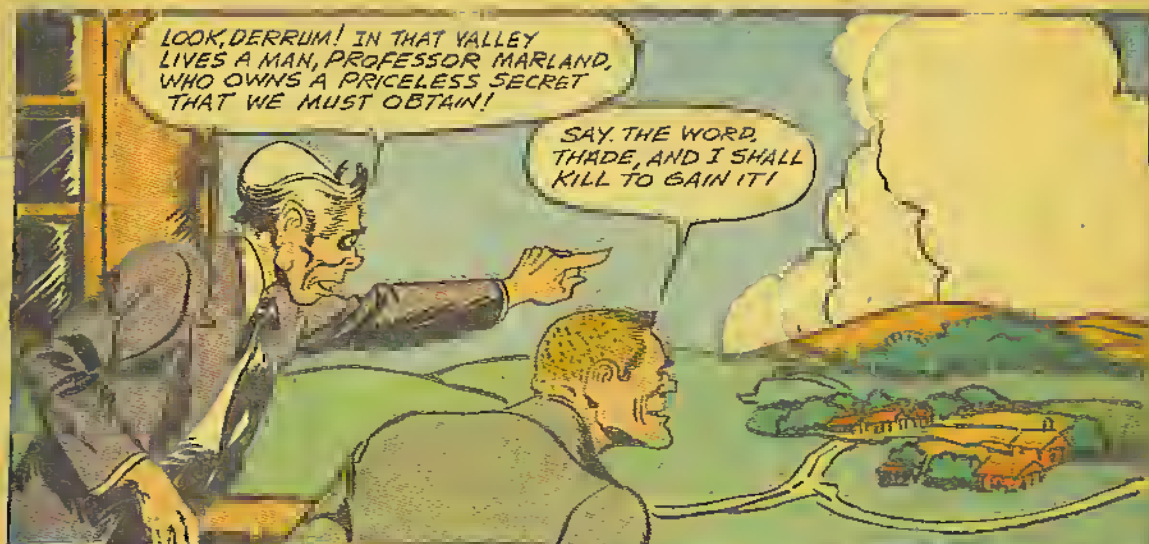
# The Shadow

and The  
**VALLEY  
of SLEEP**



STORY BY  
MAXWELL  
GRANT.  
PICTURES BY  
CHAS. COLL

**AGAIN, THE SHADOW MEETS THADE,  
MASTER OF DEATH, AND HIS FIENDISH  
CREW OF LIVING SKELETONS IN A  
DUEL WHEREIN THE SAFETY OF  
HUMANITY LIES AT STAKE!!!**



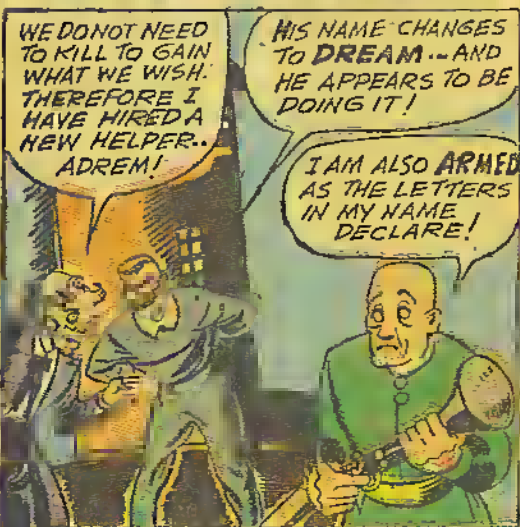
LOOK, DERRUM! IN THAT VALLEY LIVES A MAN, PROFESSOR MARLAND, WHO OWNS A PRICELESS SECRET THAT WE MUST OBTAIN!

SAY THE WORD, THADE, AND I SHALL KILL TO GAIN IT!



WE MUST WAIT! REMEMBER I AM THADE, WHOSE HATED NAME SPELLS DEATH!

AND I, DERRUM THRIVE ON RED RUM AND MURDER! WHY SHOULD WE WAIT?



WE DO NOT NEED TO KILL TO GAIN WHAT WE WISH. THEREFORE I HAVE HIRED A NEW HELPER.. ADREM!

HIS NAME CHANGES TO DREAM.. AND HE APPEARS TO BE DOING IT!

I AM ALSO ARMED AS THE LETTERS IN MY NAME DECLARE!



WHAT IS ADREM DOING TO THE VULTURES THAT ALWAYS HOVER OVER US?

HE IS PUTTING THEM TO SLEEP. IF THE SHADOW SHOULD SEE THEM HE MIGHT GUESS THAT WE WERE HERE!



THAT NIGHT A SINGULAR  
CONFERENCE IS HELD  
IN NEW YORK...

LOOK, MONTAGUE. HERE  
IS SOMETHING YOU  
MIGHT LIKE TO INVEST  
A MILLION IN...HA-HA!

NO RAILROAD WOULD  
BUY THAT CONTRAPTION.  
IT WOULDN'T GO  
THROUGH TUNNELS

AND IT  
CERTAINLY  
WON'T FLY,  
WITH ALL  
THAT  
WEIGHT!

GENTLEMEN,  
DO NOT  
JEST!

THIS INVENTION MAY PROVE  
HUMANITY'S GREATEST  
BOON. IT IS A TORNADO-  
BREAKER!

HEAR THAT,  
CARRUTHERS!  
A TORNADO-  
BREAKER!

AND WHO  
WANTS TO  
BREAK A  
TORNADO!

PLENTY  
OF  
PEOPLE  
DO!

EVERY TOWN IN  
THE TORNADO BELT  
WILL BUY ONE OF  
THESE AS AN  
ABSOLUTE  
NECESSITY!

QUIET  
EVERYONE  
LET PROF.  
MARLAND  
SPEAK

SHOW US HOW  
THE MODEL  
WORKS,  
PROFESSOR

THE TRACK WILL CIRCLE THE TOWN.  
WHEN A TORNADO APPROACHES, THE  
CAR IS RUN AROUND TO CROSS  
ITS PATH. THESE BLADES WILL  
SMASH THE WHIRLWIND  
INSTANTLY!

CLICK

EVEN IF IT DOES WORK, IT WOULD HAVE TO BE A HUNDRED FEET HIGH!

IT WOULD REQUIRE MILES OF TRACK!

IT COULDN'T GET AROUND FAST ENOUGH, PROFESSOR

SORRY, PROFESSOR, THAT THE INVESTORS WERE NOT INTERESTED

THEY WOULD BE, IF THEY CAME TO PLEASANTDALE AND SAW ME TEST MY MACHINE!

IN THAT CASE, SEVERAL COULD BE USED!

AND SEVERAL WOULD MULTIPLY THE COST!

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TEST IT... HOW?

BY CREATING A TORNADO WITH MY SPECIAL WHIRLWIND MAKER... THEN SMASHING IT WITH THIS! I AM STARTING BACK TO PLEASANTDALE NOW!



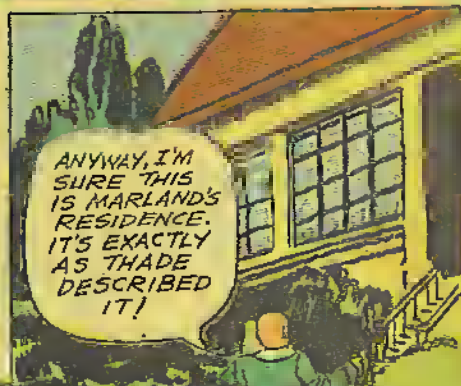
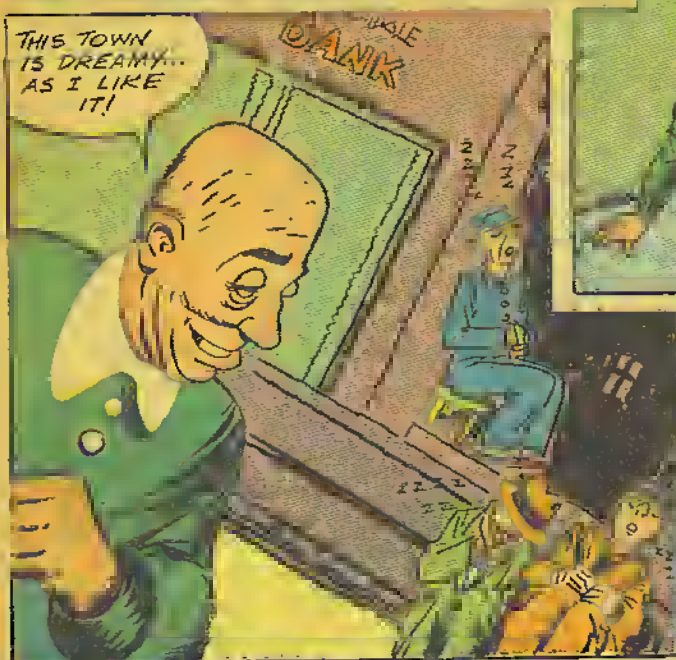
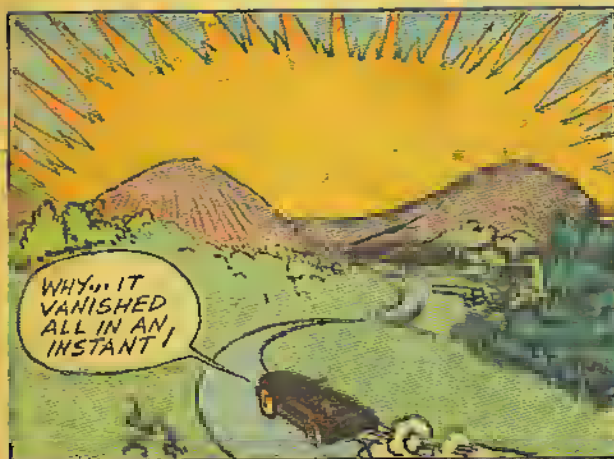
WE'LL BE HOME IN HALF AN HOUR, SIR

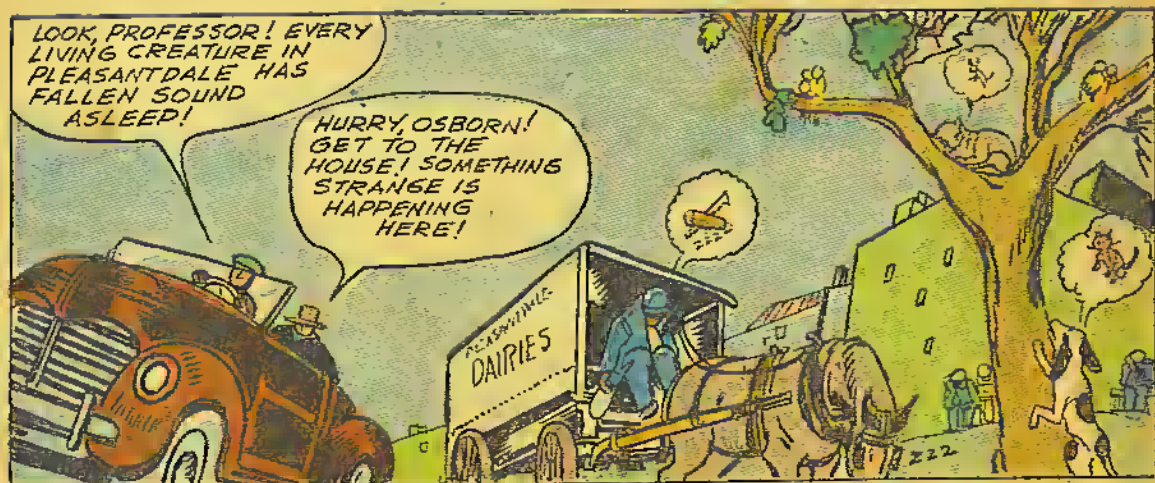
LOOK, OSBORN.. THAT WONDERFUL RAINBOW ABOVE, PLEASANTDALE! I HOPE IT IS A GOOD OMEN!

AT DAWN, PROF. MARLAND IS NEARING THE END OF AN ALL-NIGHT JOURNEY, WHEN...









LOOK, PROFESSOR! EVERY  
LIVING CREATURE IN  
PLEASANTDALE HAS  
FALLEN SOUND  
ASLEEP!

HURRY, OSBORN!  
GET TO THE  
HOUSE! SOMETHING  
STRANGE IS  
HAPPENING  
HERE!



THERE'S SOMEBODY  
UPSTAIRS, SIR!

DON'T LET  
HIM GET  
AWAY,  
OSBORN!

FUNNY... I  
HAVEN'T  
FOUND  
THOSE  
PLANS YET



STOP,  
YOU!



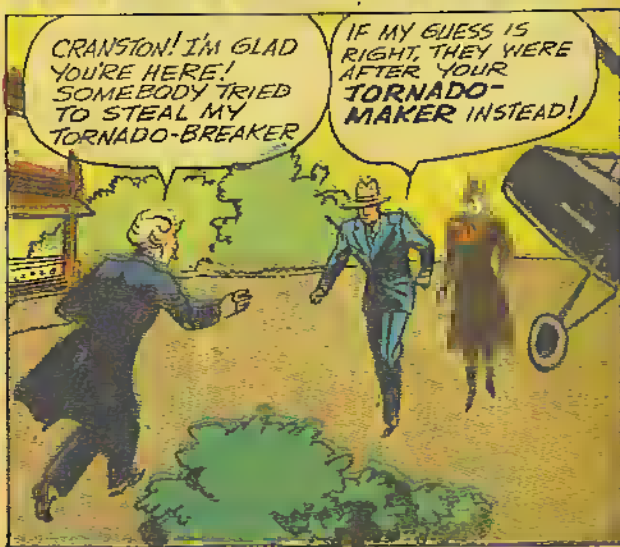
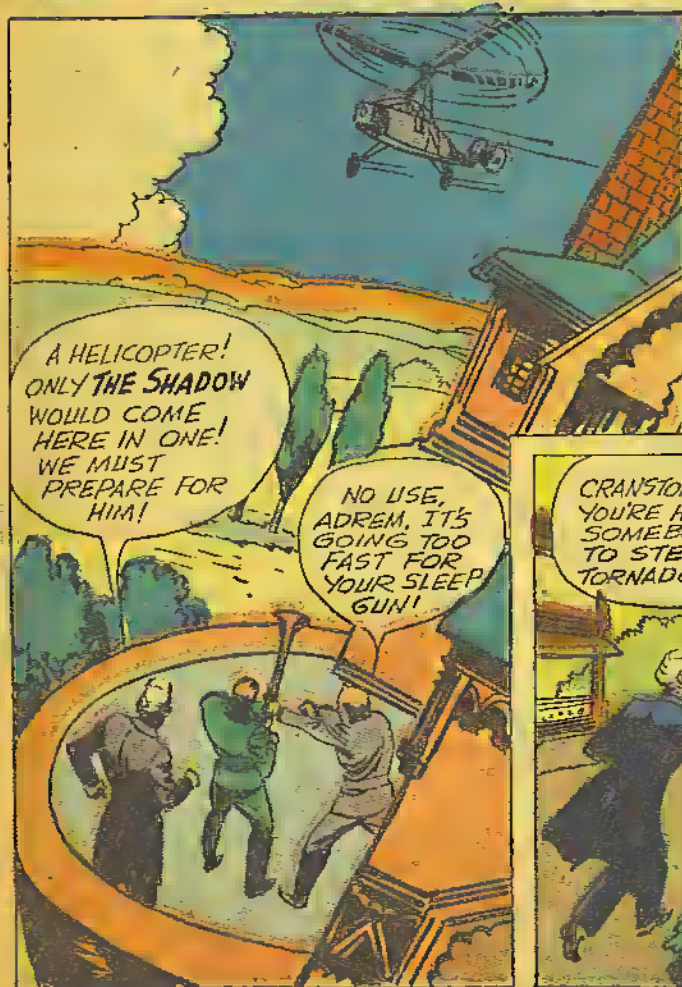
DID YOU EVER SEE A  
DREAM JUMPING?  
WELL, I'M ONE!



TOO LATE TO  
STOP HIM! I  
HOPE HE DIDN'T  
SNATCH YOUR  
PLANS, SIR

LUCKILY I TOOK  
THEM ALL WITH  
ME TO NEW  
YORK!

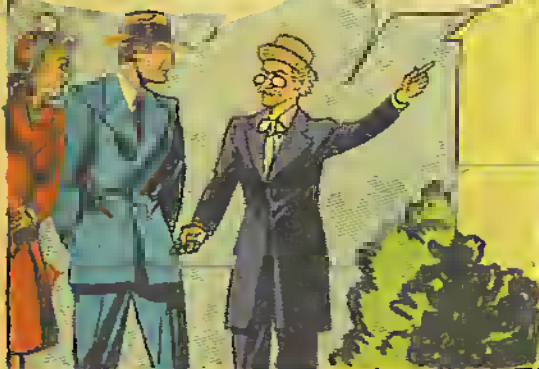






A TORNADO-MAKER  
WOULD BE A DEADLY  
INSTRUMENT IN THE  
HANDS OF A  
DANGEROUS CRIMINAL,  
PROFESSOR!

I KNOW IT!  
THAT IS WHY  
I NEVER LET  
ANYONE SEE  
THE PROCESS



BUT IF YOU WAIT RIGHT HERE,  
YOU CAN WITNESS THE  
RESULT! DO NOT WORRY...  
I HAVE A BREAKER WAITING  
AND I ALWAYS AIM MY  
TORNADOES RIGHT!



A TORNADO-MAKER!  
WHY, THAT'S  
IMPOSSIBLE!

LOOK,  
MARGO!

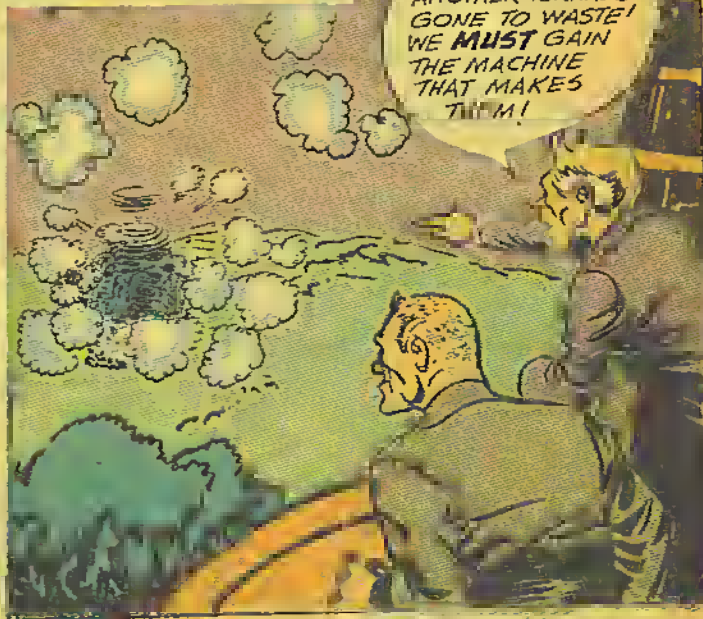


IT IS A  
TORNADO!

THE BREAK-  
ER MUST  
BE OFF  
BETWEEN  
THOSE  
TREES



LOOK, DERRUM!  
ANOTHER TORNADO  
GONE TO WASTE!  
WE **MUST** GAIN  
THE MACHINE  
THAT MAKES  
THEM!





BUT IF **THE SHADOW**  
IS IN PLEASANT DALE,  
THE JOB WILL BE  
TOO DIFFICULT  
FOR ADREM

IT WILL BE YOUR  
TURN, DERRUM.  
TONIGHT PLEASANT  
DALE WILL BE  
A **VALLEY  
OF DEATH!**



YOU MUST DO  
SOMETHING  
ABOUT IT,  
LAMONT!

LATER, MARGO.  
RIGHT NOW I'M  
LISTENING TO  
THE PROFESSOR

I HAVE  
DEvised  
OTHER  
SYSTEMS  
OF  
DESTROYING  
TORNADOES.



ONE FOR INSTANCE BEING TO  
CHANGE THEM INTO WATER-  
SPOUTS WHICH CAN BE  
DESTROYED BY SHELL-FIRE.  
COME INSIDE AND I'LL SHOW  
YOU MY PLAN



AN EXCELLENT  
DEMONSTRATION.  
BY THE WAY,  
PROFESSOR, WHO  
OWNS THAT  
HUGE HOUSE  
ON THE HILL?

SOME ODD CHAP  
WHO IS  
EXPERIMENTING  
WITH SKELETONS.  
THEY SAY HE  
HAS A LOT  
OF THEM

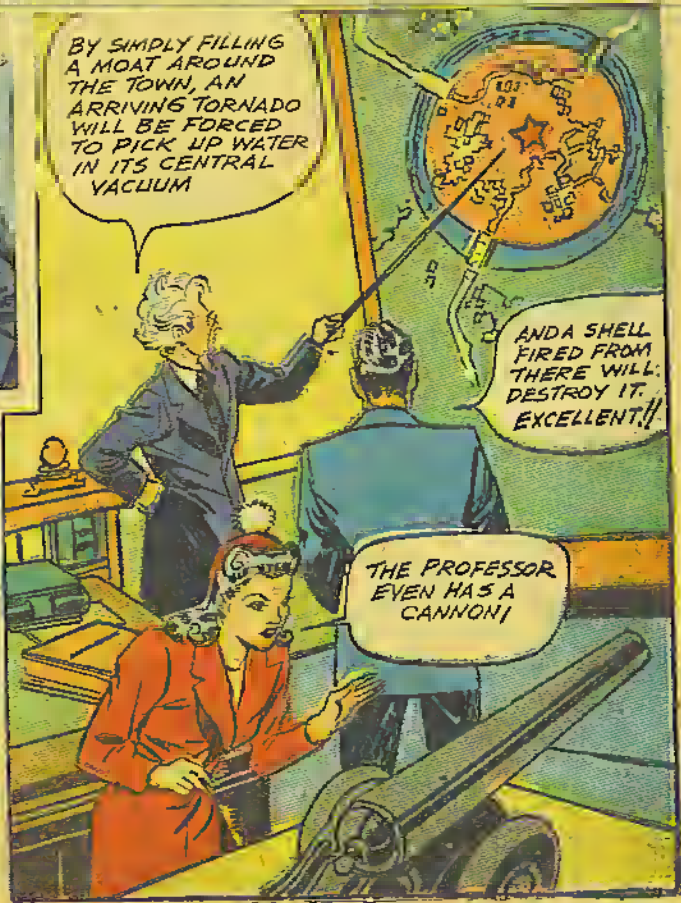
THADE!  
AND HE'S  
SEEN  
THESE  
TORNADOES!



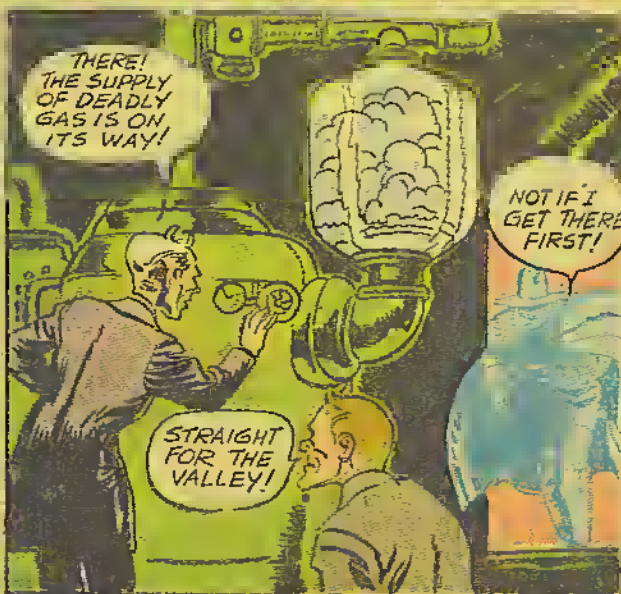
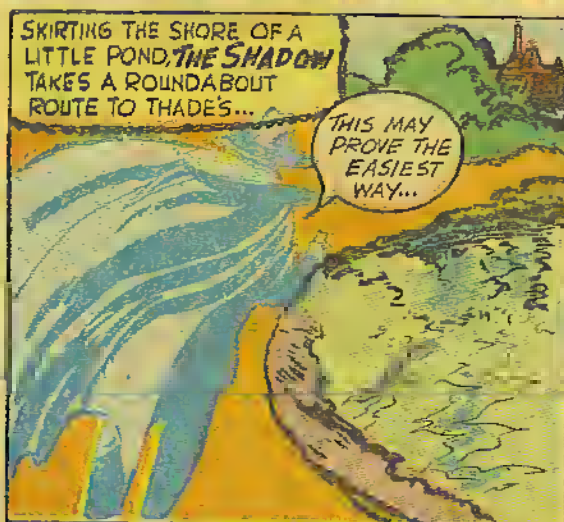
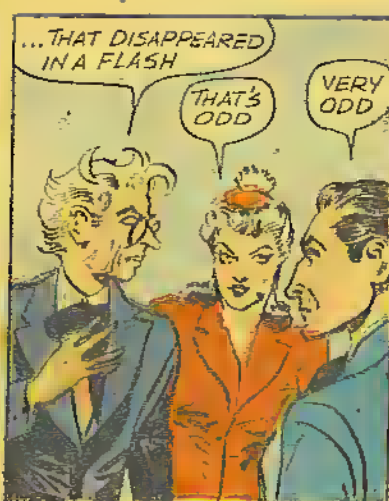
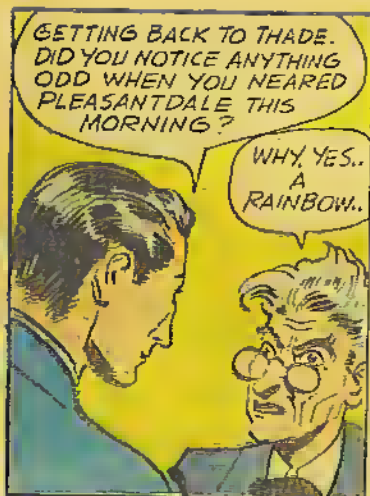
BY SIMPLY FILLING  
A MOAT AROUND  
THE TOWN, AN  
ARRIVING TORNADO  
WILL BE FORCED  
TO PICK UP WATER  
IN ITS CENTRAL  
VACUUM

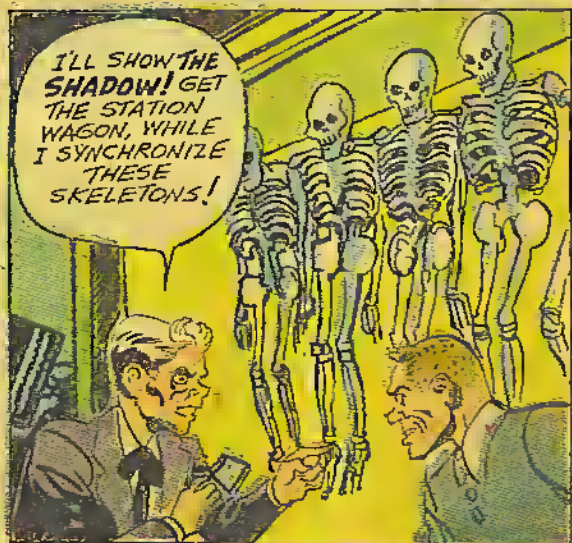
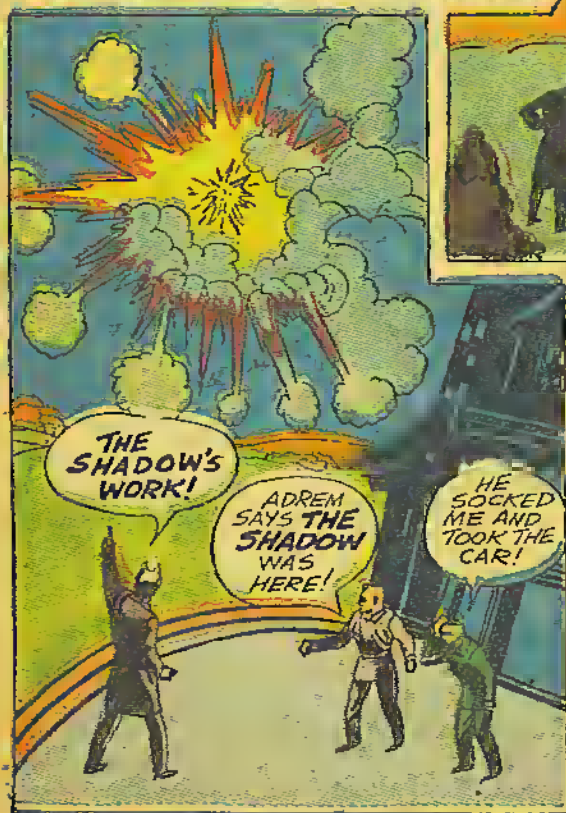
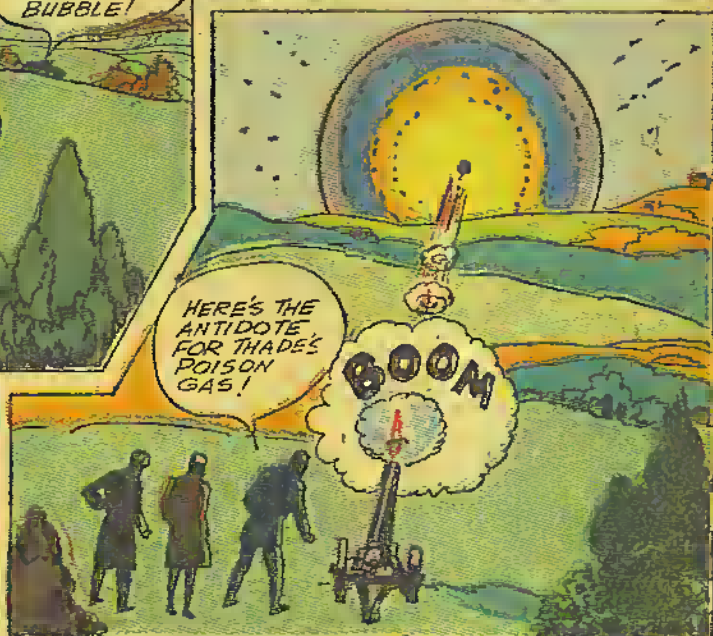
ANDA SHELL  
FIRED FROM  
THERE WILL  
DESTROY IT.  
EXCELLENT!!

THE PROFESSOR  
EVEN HAS A  
CANNON!



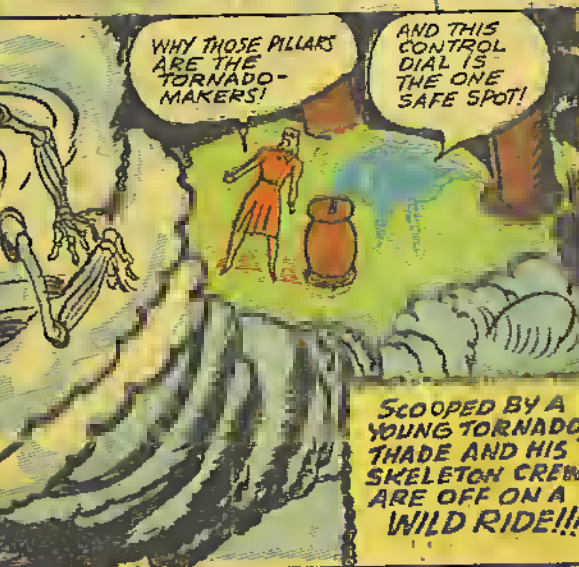
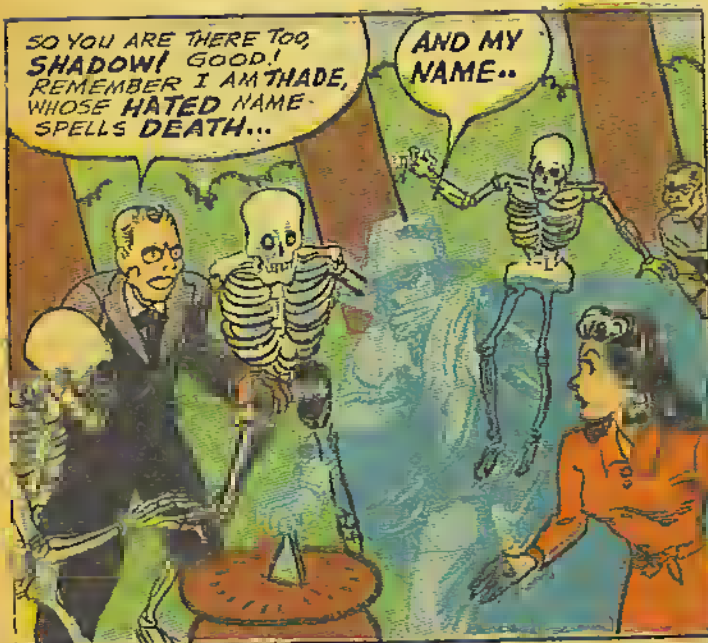










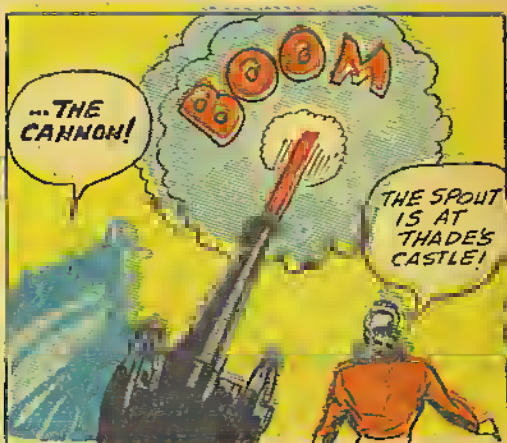






WHY THE  
TORNADO  
HAS BECOME  
A WATER-SPOUT!

YES, I  
PURPOSELY  
AIMED IT ACROSS  
THE LITTLE  
POND! AND  
NOW....



...THE  
CANNON!

THE SPOUT  
IS AT  
THADE'S  
CASTLE!



YOU'RE  
WIDE  
AWAKE-NOW,  
PROFESSOR!

EXCELLENT  
WORK, CRANSTON!  
DOES THIS  
MEAN THE END  
OF THADE?

IT'S HARD TO  
TELL. THADE  
IS ALMOST  
INDESTRUCT-  
IBLE!

THE SHADOW'S PERFECT SHOT  
BURSTS THE WATER-SPOUT, OVER-  
WHELMING THADE'S CASTLE WITH  
A DELUGE THAT INCLUDES  
THADE AND HIS FOLLOWERS,  
LIVING AND DEAD!!!!

WILL THADE RETURN? WATCH FOR OUR  
NEXT ISSUE AND LEARN IF THE  
MASTER OF DEATH SURVIVED THE  
HIS TERRIFIC EXPERIENCE....  
WHO KNOWS? ... ONLY  
THE SHADOW!!!!!!

# The Shadow

FACES  
DEATH  
BY  
DEGREES



THE BOOM TOWN OF MILLWOOD, LOGGING CENTER ON THE SAGANAC RIVER, HAS BECOME THE SCENE OF MYSTERIOUS, UNACCOUNTABLE MURDERS THAT REMAIN UNSOLVED UNTIL THE ADVENT OF **THE SHADOW!!**

WHAT ARE THEY DOING, DRAGGING FOR MORE BODIES?

YEAH. THEY'VE ALREADY FISHED OUT FIVE THIS WEEK!

LAMONT, THIS IS HORRIBLE!

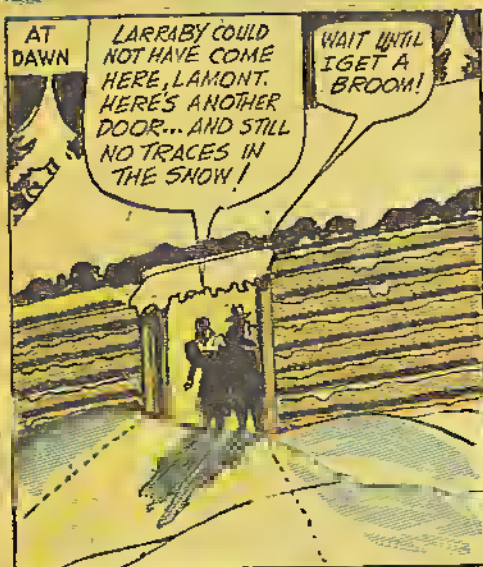
I'VE JUST BEEN TO THE MORGUE, MARGO, THE FIFTH VICTIM WAS OUR FRIEND, ROY LARRABY

CAN'T THE POLICE TRACE THE GANG THAT HAS BEEN ROBBING AND KILLING THESE WEALTHY BUSINESS MEN?

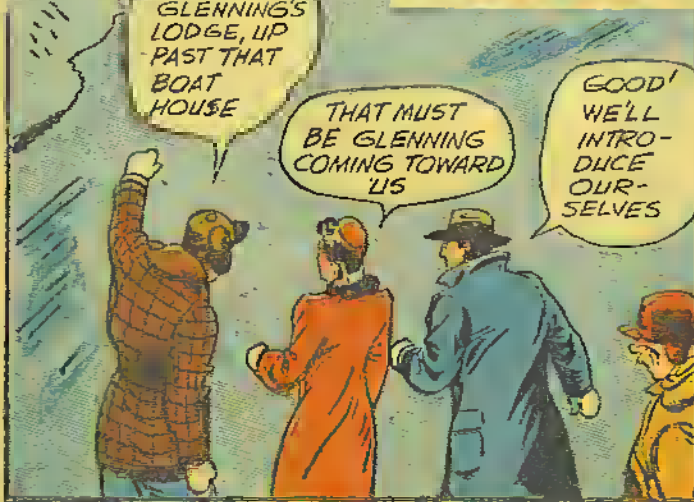
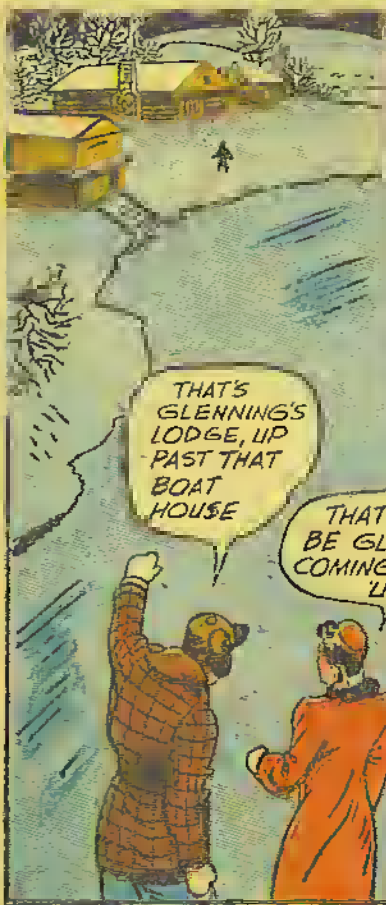
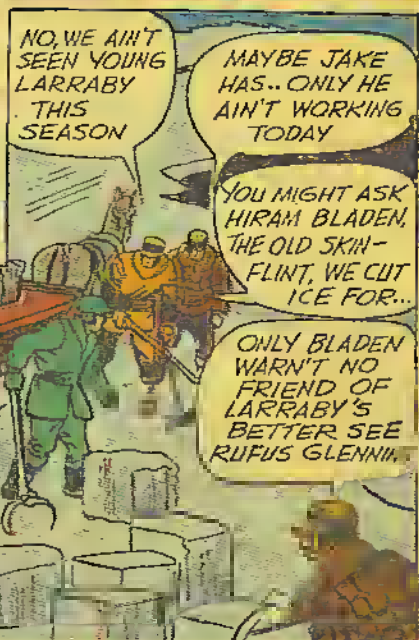
I HAVE A THEORY, MARGO. I'LL EXPLAIN IT WHEN WE'RE ON THE TRAIN











LARRABY AND OTHERS  
WANTED TO BUY LAND  
FROM BLADEN. HIS TERMS  
WERE SPOT CASH. NOW  
SUPPOSE HE TOLD THEM  
TO BRING CASH HERE.

I SEE. HE  
MIGHT HAVE  
ROBBED AND  
KILLED THEM

BUT THE BODIES  
WERE FOUND IN  
MILLWOOD, EIGHTY  
MILES DOWN  
THE RIVER

THAT'S WHERE BLADEN  
COULD HAVE MET  
HIS VICTIMS. HE  
GOES TO MILL-  
WOOD TO SELL  
LUMBER!

WHY, MR.  
GLENNING!  
YOU'VE TURN-  
ED YOUR BOAT-  
HOUSE INTO  
AN AQUARIUM

YES, MY HOBBY  
IS DEVELOPING  
BIGGER AND  
BETTER LAKE FISH.  
I SEGREGATE  
THE FINEST  
SPECIMENS

WE PUT THE  
FISH IN HERE,  
TURN ON THE  
FREEZING JET,  
AND EVERY FISH  
IS FROZEN IN AN  
INDIVIDUAL  
CAKE OF  
ICE

HOW  
CLEVER!

DEVILISHLY  
INGENIOUS,  
I'D SAY!

I HAVE ALREADY DEVELOPED  
A BUSINESS IN FROZEN  
FISH. HERE... I'LL SHOW  
YOU THE REFRIGERATING  
ROOM



WE'VE SPENT A PLEASANT DAY HERE AT YOUR LODGE, MR. GLENNING

BUT IT'S TIME YOU SHOULD BE GOING IF YOU WANT TO TALK TO MR. BLADEN

YES, THE ICE-CUTTERS ARE FINISHING THEIR WORK

NO, I HAIN'T SEEN LARRABY. YOU'D BETTER TALK TO JAKE

YOU MEAN THE ICE-CUTTER WHO DIDN'T SHOW UP FOR WORK TODAY?

THAT MUST BE HIRAM BLADEN IN THAT ICE BOAT

AND THE MAN WHO SHOT AT US THIS MORNING FLED IN AN ICE BOAT!

HERE'S THE DAM AND THERE'S JAKE'S SHACK. BUT ISN'T BLADEN GIVING US THE RUN-AROUND?

I'LL ANSWER THAT AFTER I TALK TO JAKE ...AS THE SHADOW!

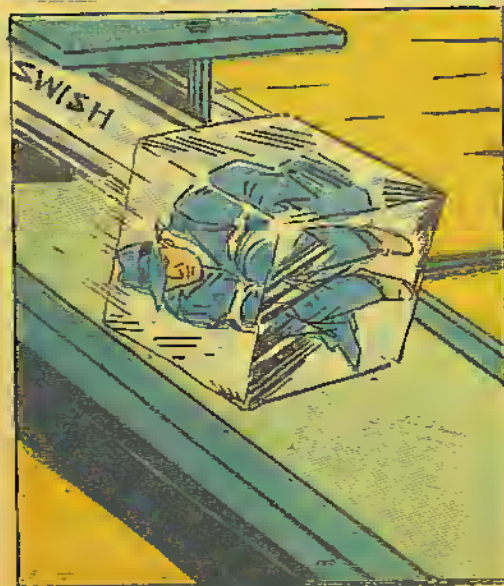
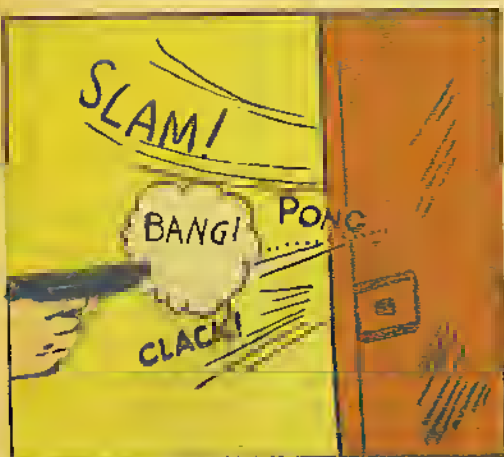
HE'S A SHIFTLESS SORT WHO MIGHT KNOW ANYTHING. HE BORROWS MY ICE-BOAT WITHOUT ASKING AND HE EVEN STEALS ICE AND HAULS IT DOWN TO HIS SHACK BY THE DAM!

STEALS ICE! THAT'S INTERESTING!

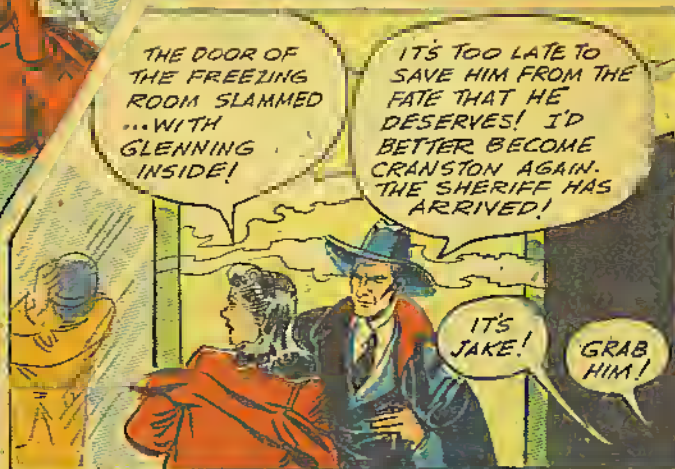
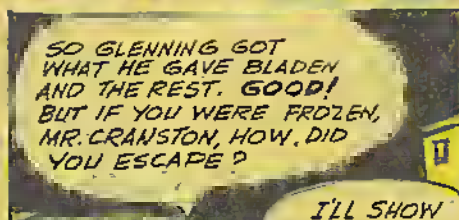












THE END..











































TWENTY MINUTES LATER-

WHAT DOES THE GUY  
THINK THIS CAR IS -  
AN AMPHIBIOUS JEEP?

SHH-- I THINK THIS  
IS THE END OF THE TRAIL  
LET HIM GO INTO THE  
HOUSE- THEN WE'LL--

YOU CAN COME OUT OF  
HIDING, YOU IDIOTS! YOU ARE  
POWERLESS TO STOP ME! I'M  
GOING TO INCREASE THE SPEED  
OF MY MACHINE! THE WORLD  
WILL DROWN IN A WEEK!

THIS DOOR FEELS  
AS IF IT'S MADE OF  
STEEL! WE GOTTA  
STOP HIM TILL WE  
CAN FIND DOC!

DOWN IN THE CELLAR OF THE HOUSE  
UNDER THE RIVER, A WINDOW  
REVEALS THE TURBULENT MISSISSIPPI-

SO-  
THAT'S THE  
SIMPLE  
SOLUTION!  
A CYCLOTRON  
ADJUSTED  
50-

YOU BREAK THIS  
ONE DOWN. I THINK  
I BROKE MY SHOULDER  
ON THE OTHER DOOR--

DOC!

IF YOU HADN'T INTERFERED--  
DOC SAVAGE-I WOULD HAVE  
BEEN CONTENT TO COLLECT  
MILLIONS OF DOLLARS AS TRIBUTE!  
BUT SINCE YOU DID-- YOU  
AND ALL THE WORLD--

RUN / RUN AS FAST AS YOU CAN / IT'LL DO YOU NO GOOD / THERE IS NO ESCAPE / HO-HOHO! I WON'T EVEN BOTHER TO SHOOT YOU / YOU'LL DROWN WITH ALL THE OTHER RATS!

RUN!

DOC / WE GOTTA STOP HIM / HE THREW THE LEVER!

**RUN!**

DOC! HAVE YOU GONE CRAZY? HE MEANS IT! LET'S GO BACK--WE CAN OVERPOWER HIM!

HE'S OVER-POWERED! BUT HE DOESN'T KNOW IT--- IF WE DON'T GET GOING---

YES. THUS ENDS  
THE MENACE OF  
THE WORLD'S  
WATERY DEATH !  
I SHORT-CIRCUITED  
HIS ATOM-SMASHER  
WHEN HE THREW THE  
LEVER / / / OVERBOARD THE  
CAPACITY OF THE CYCLOTRON SO --- AN  
EXPLOSION !

BUT WHAT DID WE DO TO THE WATER?

HE CHANGED IT SO THAT IT HAD THE PROPERTIES OF LIQUID HELIUM II !!!

YES-THEN HE WENT  
WILD AND AIMED HIS  
CYCLOTRON AT THE  
MISSISSIPPI. THE  
WATER'S MOLECULE  
MAKE-UP CHANGED,  
AND THIS FREAK  
WATER POURED  
DOWN THE  
RIVER-

BACK AT DOC'S LABORATORY

SOMEPLACE IN LAKE MICHIGAN, THERE IS ANOTHER ATOM-SMASHER WHICH WE'LL HAVE TO FIND. THAT'S WHAT SANK YOUR SHIP!

YES-THEN HE WENT WILD AND AIMED HIS CYCLOTRON AT THE MISSISSIPPI. THE WATER'S MOLECULE MAKE-UP CHANGED, AND THIS FREAK WATER POURED DOWN THE RIVER.

BUT MONK DOESN'T  
KNOW WHAT THESE  
PROPERTIES ARE---  
IF YOU DON'T EITHER,  
WE REPRINT AN ITEM  
FROM THE SCIENCE  
PAGE OF THE N.Y.  
TIMES - OCTOBER 2, 1945

[illegible]



# VIGNETTES—THE RUBBER SHORTAGE



"GEORGE, HAVE YOU SEEN MY NEW LATEST STYLE?"



"TAKE CARE EXTRA TACKLES ALONG MY LEVER CAN TELL MEY POKE RUBBER BUT WILL GO OUT ON A CARRY STRIKE."



"OH, LOOK! I GOT A WHOLE PACK A RUBBER SCORLESSER."

"THERE'LL BE SOME REMARKS PRACTICES GATHERED BEFORE THE THING IS OVER."



"HEY, BEST! GIVE ME A PIECE OF RUBBER!"



"BE PROUD! DUE LACK OF RUBBER WILL BE BACK SOON... IN SOME STRANGE PLACES."



"THERE'LL BE A LOT OF NEW STYLES IN GALLERY, WHEN THE OLD ONES WERE OUT."



"SOME OF THE CARD-CLUB GENTS WERE OUT HERE IN THE KITCHEN THIS AFTERNOON... AND NOW I CAN'T FIND AN EGGED GLOVES FOR MYSTIC STRAPER OR MY MURDER!"

"SOME INDOORS WON'T BE AS 'SWAMPY' AS THEY USED TO BE... WHEN THAT RUBBER BUNDLE LOSES ITS COUPLER AND GOES 'ALL OUT' FOR THE DURATION!"



"YOU'LL HAVE TO KEEP AN EYE ON THE GUESTS FROM NOW ON... AND COUNT YOUR RUBBER."

"THERE'LL BE NO ENCOURAGE IN RUBBER CHECKS... 'UNTIL Y BET!'"



"WE'VE WONDERING IF WE'LL HAVE TO GO TO A STRAY-EASY TO GET RUBBER HELLY."

# THERE'S BURIED TREASURE IN STORE!

Not the gold of Captain Kidd—but  
the treasure that's waiting in the  
new issues of these comic books.  
Look at these samples of what's  
waiting for you!



## NIGHTMARES COME TO LIFE!

Only Thade—hated Master of Death—could devise this incredible dream machine, producing living, solid phantoms. Your own dreams could kill you . . . and only The Shadow could stand between Thade and you . . . and you! You'll chill and thrill to the latest and most horrible experience known to man . . . the dream machine . . . invented by Thade . . . in April

SHADOW COMICS—ON SALE JANUARY 28th

10c a Copy

At All Newsstands

## THE GREAT MERLIN

## AGAINST THE GREAT BLACKSTONE!



Set against a flaming volcano on a strange island, founded by multi-neers, a strange adventure awaits the greatest magician in the world—Blackstone!

Far there on the island is the man who claims to be Merlin, peerless wizard of the days of King Arthur. Could this be so—and could Merlin mean ruin for Blackstone? You'll find the answer in the big March issue of

SUPER-MAGICIAN COMICS

—ON SALE JANUARY 18th

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At All Newsstands





## SUNDAY DRIVERS.... LOOK OUT FOR AIR POCKETS!

Yes, it's true. After the war, when the family goes out for a drive Sunday, it will be through the skies . . . in a plane. And wait till you see all the new devices that will make flying safe and popular . . . and wait till you read all the things drivers will have to watch out for in the air! Plus new and exciting comic-features and stories, in the great new May issue of

**AIR ACE—ON SALE FEBRUARY 11TH**  
10c a Copy At All Newsstands

## SUPERSNIPE RIDES AGAIN!

Unafraid, undefeated, the Men of 1955 rejects big-game hunting in favor of even bigger game . . . bank robbers!

Will Supersnipe fool the robbers? Will the robbers fool Supersnipe? Will Herlock Domes, the dountless detective, carry on with his unblemished record of mishaps?

You'll want to find out all the answers to these baffling problems in the April issue of

**COMIC SUPERSNIPE—ON SALE**  
**JANUARY 14TH**

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*Chick Carters*

# INNER CIRCLE

## FINGERPRINTING

### LESSON 2

In the previous installment (the first) of this series on fingerprints, we explained the equipment necessary for taking prints, and general method of operation. The first, or "plain" form of taking impressions, was explained.

There is another method of taking prints—a method more complete and therefore more difficult. It is called the "rolled" impression, getting its name from the fact that the finger is "rolled" from one side to another in order to get the complete surface print, instead of only the "bulb" print which is the result of a plain impression.

The rolled impression becomes important when you realize that a plain impression is, often misleading. The appearance of a plain impression may lead one to classify the print as a loop, while the completed rolled impression will show that it is really a whorl.

It is natural, then, that the rolled impression get most of the attention, and are given preference over plain impressions. They are the ones to be used for complete classification, and must be as perfect as it is possible to make them.

The preparations for taking rolled impressions are the same as for taking plain impressions. Have your ink plates ready; be sure that your ink is spread thinly and evenly, so as not to clog up. Have the skin of the fingers to be printed entirely clean and dry, and free from any trace of foreign matter. Greasy spots will be reflected more in rolled impressions than in others.

Rollled impressions start with the thumb, and continue through the index, middle, ring

and little finger. The right hand is first.

Stand the subject in front of the inking plate, about a forearm length away. Have the plate and the card on which impressions are to be made horizontal with the arm.

Now, take the bulb of the thumb and put it on the inking plate so that the fingernail is at right angles to the inking plate—the bulb of the thumb facing out. Then turn the thumb over until it reaches the opposite position, with the other side of the nail in right angles to the inking plate. This will give the entire surface of the thumb a smooth, clear coating of ink.

Follow this same process with all of the fingers of both hands in inking.

In recording the prints of rolled impressions, the same procedure should be followed. The full coverage should be printed in the spaces allowed for the separate fingers. Especial care should be taken in recording the little finger of each hand, for from these impressions it is possible to make a subclassification of the prints.

When taking rolled impressions, the work will be found to go with more smoothness and flexibility, if the physical structure of the arm is taken into consideration, and the natural and unnatural positions dealt with intelligently.

Always begin taking the roll from the position which seems most unnatural, following through so that the finger is in the easier, more natural position when roll is complete. The bone of the forearm which is on the "thumb" side is termed the "radius" bone, because it revolves with ease about the "ulna" bone, which is on the little finger side. S

in taking the prints, place the fingers so that the radius bone revolves around the ulnar. Then, with the fingers resting in their most natural position when the roll or print is completed, they can be lifted off without danger of smudging or blurring.



Half-completed rolled impression.

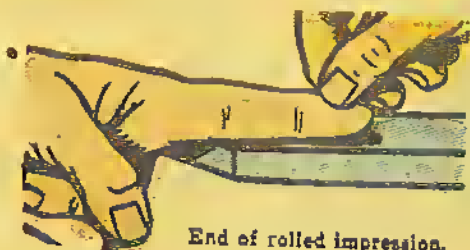
In taking rolled impressions, the degree of pressure exerted both in inking and taking the prints is very important. As in the case of plain impressions, practice is the thing which makes one more efficient in this work, but having the subject's hands entirely relaxed is a big help.

The rolled impression is assuming more and more importance in modern fingerprint records. It is absolutely essential in the One Finger system—a simplified form of keeping records with less trouble and space than required in the full system, and much quicker to identify. The One Finger system is, of course, not as absolutely correct as the complete record, but is proving itself more and more useful as a commercial method, if not especially so for criminal work.

### III. CLASSES OF PRINTS

Previous installments of this series of articles on fingerprints have shown the equipment necessary for taking prints and the two methods used—plain and rolled impressions—in making the impressions for records. These two steps are parts of the one angle of the science of fingerprints—the angle of identification. The method of finding the prints left on the scene of the crime, of developing these prints so that they are able to be reproduced for study, belongs to the other part of this study, and will be given its due share of attention.

Anyone who has even the slightest knowledge of fingerprints knows that the basis of identification by this system is the fact that no two prints are alike. It is by comparison, by checking one print against another, that identification is established. Now, just how is this done?



End of rolled impression.

On file at the Bureau of Investigation in Washington are about three million prints, with more being added every day. Suppose that your local police were to find prints left at the scene of a crime, and wished to check up on the culprit, how would they learn the identity of the criminal?

If the police department in your home town has a file of prints, they would check on those first. If they could not find the print in their own file, it would be sent to the State offices, then to Washington—or else directly to Washington. Yet in each case, the print would have to be compared with thousands upon thousands of prints, and since one person's fingerprint seems so much like another's, how would it be possible to determine the difference in any reasonable time?

The method of comparing one print with all the others would prove hopeless. It would take years to get anywhere with this system. Since our modern methods of crime fighting cannot wait that long for proper identification, a quicker, more efficient system has been perfected. All prints, as soon as they are made, are filed under the proper classification, with sub-filing under variations of their own class. This filing is done in such perfection that it takes only minutes for any efficient clerk to gather prints which are fairly close to the one submitted.

And even better than that, the files are so arranged that a mechanical machine can select these cards automatically, so that the actual identification can be speeded up even more.

The classes of fingerprints are divided into four types: Loops, Arches, Whorls and Composites. These designations show the type of print and further divided into subclassifications of their own.

The Loops include the Ulnar Loop and the Radial Loop type. The Arches have their subdivisions into Regular Arches and Tented Arches. The Whorls include the Single-cored and Double-cored Whorl, and the Composites have four divisions: Central Pocket Loops,

## Lateral Pocket Loops, Twinned Loops and Accidentals.

Further divisions designate the Loops as large, small or medium, and the Whorls as circular or oblong. The Composites, as the name signifies, are a combination of several of the standard forms.

In order to classify fingerprints properly, it is necessary to have clearly in your mind two points; the Core and the Delta. The Core is that part of the print which is the inner central point of the pattern. The Core is the beginning of the pattern, as it were, and the Delta is its conclusion. The latter name is derived from the fact that often two of the lines form in the shape of the Greek "delta." These lines, from the Delta outward, no longer form any definite pattern, and are therefore of no use for classification. Usually the Delta is formed by two ridges joining, but it can also be formed by the divergence of two ridges which had run side by side.

The Core may be a Loop in the center, or it may be several loops. If the Loop is not definite, a spot nearest the center of the formation is marked as the Core; either one or more of unjoined ridges in the center of the Loop.

In the case of Loops, the Core is a spot near the turn of the center ridge. In Loops, some of the ridges make a backward turn, but do not twist. The lines join in one Delta. The ridges may enter on either side, and go out on the same side. There are usually several Loops, surrounding each other.

If the downward slope of the ridges about the Core is from the direction of the little finger toward that of the thumb, it is classified as a Radial Loop. If the downward slope of the ridges about the Core is from the thumb side toward the little finger, the Loop is an Ulnar Loop.

Arches are a simple form of print. The ridges run from one side of the finger to the other, making no backward turns. They have a slight upward curve toward the center. When these ridges are much higher in the center, they are termed Tented Arches instead of Regular Arches. Tented Arches, however, do not have Deltas, despite their form.

Whorls are a more complicated form of print. In Whorls, some of the ridges make a turn through at least one complete circuit. They form a series of circles or spirals around the Core, and may have one or two Cores.

Around the Core, the spirals may tend to be oval or almond-shaped, but they become more circular as they recede to the Deltas. Whorls have two Deltas, and they must always be shown on the print in order to get the proper classification. Here is where the rolled print becomes important, because a plain impression will not always show a sufficient surface to make this judgment accurate.



The last classification of prints, the Composite class, includes several divisions.

The Central Pocket Loop type of composite print resembles the Loop more than anything else, but there is a variation in that one or more of the ridges form a spiral around the Core.

When a Loop print has two distinct Loop patterns, then it is classed as a Twinned Loop, under the head of Composites.

Lateral Pocket Loops are similar to Twinned Loops, except that the ridges end on the same side of the Delta, instead of on opposite sides, as in the Twinned Loops.

The last division of Composites is the Accidentals. In this group are listed all sorts of patterns which do not come under any of the previous headings. They may be combinations of all of the previous ones, or any two of them. Although they vary a great deal, all of them can be divided into the regular classifications by proper separation of the ridges.

Each of these groups has its particular specifications, and will be dealt with more fully later in this series of articles. This information, given here, will be used as the basis for our continued study of prints in all their phases. A knowledge of these classes, you can readily see, will be mighty important when we go deeper into the study of prints.



**HE NEEDS 81 TONS OF  
SUPPLIES A MONTH  
TO WIN HIS FIGHT...**



*What are you doing to help?*

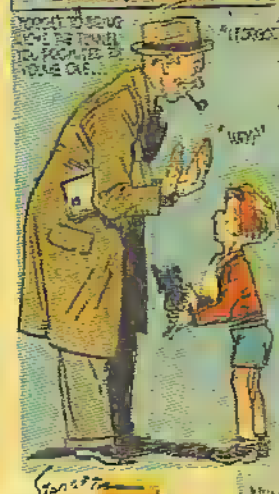
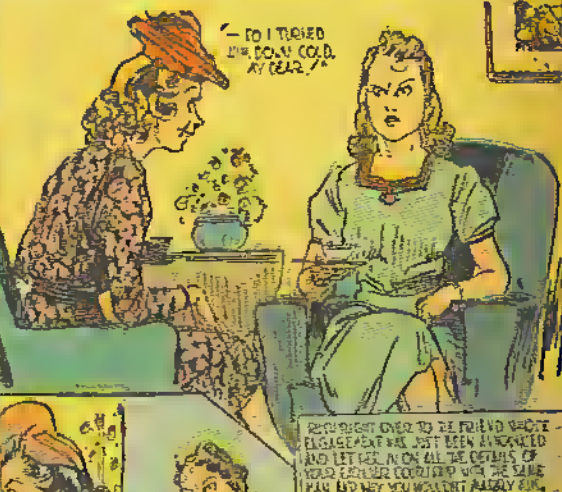
AMAZING BUT TRUE—IT TAKES 81 TONS OF SUPPLIES A MONTH TO KEEP A SOLDIER OVERSEAS. THAT'S A LARGE ORDER . . . AND IT'S GOT TO BE FILLED!

HUGE QUANTITIES OF PAPER ARE NEEDED FOR THIS . . . FOR ARMS CONTAINERS, FOR TARGETS, FOOD CARTONS, U.S. ARMY FIELD RATION "K", AND MANY OTHER THINGS.

That's why the government is asking YOU to help that boy overseas by collecting every scrap of waste paper you can. Get your friends to pitch in . . . farm groups . . . interest your whole neighborhood in this drive. Paper is vital to the winning of the war . . . and to prevent a disastrous shortage . . .

**GET IN THERE . . . SAVE WASTE PAPER TO SAVE THEIR LIVES!**

# VIGNETTES - HOW TO LOSE FRIENDS



AND TELL ALL YOUR FRIENDS, FRIENDS YOU DON'T SEE WHY YOU SHOULD DO ANY KNITTING OR RED CROSS WORK OR VARIOUS - YOU DON'T BRING ON THE AIR - AND BESIDES - " ETC.



WANT TO SEE



# The Shadow Calling NICK CARTER



CRIME DOES NOT PAY!

AND THAT GOES MUTUAL!

I AM, VOX, THE VOICE OF CRIME! I DEFEY THE LAW AND ALL WHO REPRESENT IT!

**INSIDIOUS CRIME**  
HAS BEEN STALKING RAMPANT, ITS PERPETRATOR, AN UNKNOWN MASTER MIND, WHO STYLES HIMSELF **VOX** OTHERWISE "THE VOICE..."

MR. CARTER, WE REPRESENT IMPORTANT INSURANCE COMPANIES...

AND WE WANT YOU TO APPREHEND THE CRIMINAL CALLED **VOX**!

I SHALL DO MY UTMOST, GENTLEMEN

SAY, MISS LANE, I HEAR THEY'RE PUTTING **NICK CARTER** ON THE **VOX** CASE! WHAT WILL THE BOSS THINK?

I DON'T KNOW, SHREVVY. I HAVEN'T SEEN LAMONT FOR DAYS!



LOUIS POLLETTE  
JEWELRY

I'M JUST IN TIME TO  
GET MY WATCH  
BEFORE THE  
PLACE CLOSES.  
WAIT HERE,  
-SHREVVY

I WONDER  
WHAT THOSE  
LUGGS ARE  
LUGGING  
INTO  
POLLETTE'S!

THIS CHEST IS  
FROM NICK CARTER.  
HIS FAMILY  
SILVER IS IN IT

HE'S CLOSING HOUSE  
AND WANTS  
YOU TO KEEP  
THIS IN YOUR  
VAULT

RIGHT  
THIS  
WAY,  
GENTLE-  
MEN

NICK  
CARTER!  
MOVING.  
I THINK  
I'LL GO  
AND FIND  
OUT WHY!

HERE'S  
THE CARTER  
MANSION,  
MISS LANE..

AND IT DOESN'T  
LOOK AS THOUGH  
NICK INTENDED  
TO MOVE! I'M  
GOING IN TO  
SEE HIM!

MR. CARTER,  
I CAME TO  
TELL YOU...

WAIT! SOMETHING  
IS CUTTING IN  
ON THIS RADIO!

AND OUR  
NEXT BROAD-  
CAST WILL BE  
AT...RRRWKKK!  
... I AM  
VOX! I AM  
CALLING  
NICK  
CARTER...



...TO TELL HIM THAT AT THIS MOMENT WE ARE BLOWING THE VAULT IN POLLETTE'S JEWELRY STORE!

I CAME TO TELL YOU ABOUT THE JEWELRY STORE!

AND THAT'S WHERE WE'RE GOING, RIGHT AWAY!

AS THE VOICE OF VOX COMPLETES ITS STATEMENT, THE THREAT IS FULFILLED!

HEAR THAT, CARTER?

**BOM**

THERE SHE BLOWS!

NOW TO SNAG THE SWAG!

VOX SURE KNOWS HIS STUFF!

EVERY JOB IS LIKE CLOCK-WORK!

HURRY, MEN.. OUT THIS BACK DOOR!

**THE SHADOW!**

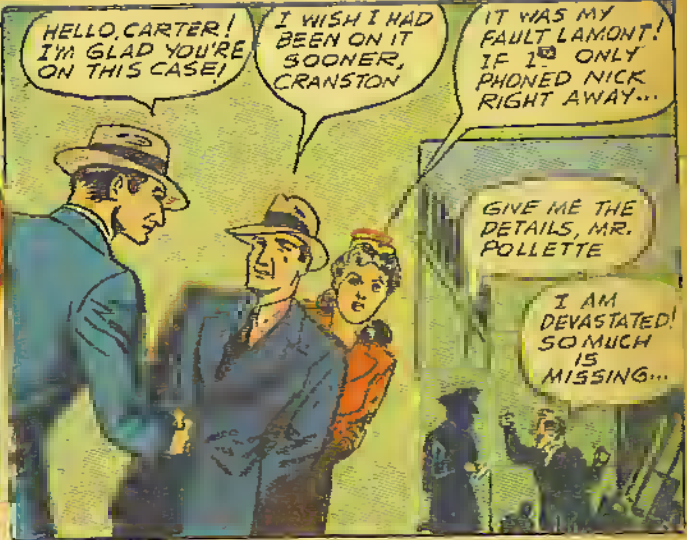
INTO THE CAR, MEN, AND GET GOING!

THAT BLAST WAS SOMEWHERE IN THIS AREA!

HERE'S ONE FOR THE REAR GUARD!



THAT'S THE CLOSEST I'VE COME TO VOX SO FAR! NEXT TIME I'LL BE AHEAD OF HIM!



HELLO, CARTER! I'M GLAD YOU'RE ON THIS CASE!

I WISH I HAD BEEN ON IT SOONER, CRANSTON

IT WAS MY FAULT LAMONT! IF I ONLY PHONED NICK RIGHT AWAY...

GIVE ME THE DETAILS, MR. POLLETTE

I AM DEVASTATED! SO MUCH IS MISSING...



INCLUDING THE MALTHUNE EMERALDS AND MR. CARTER'S CHEST OF SILVER!

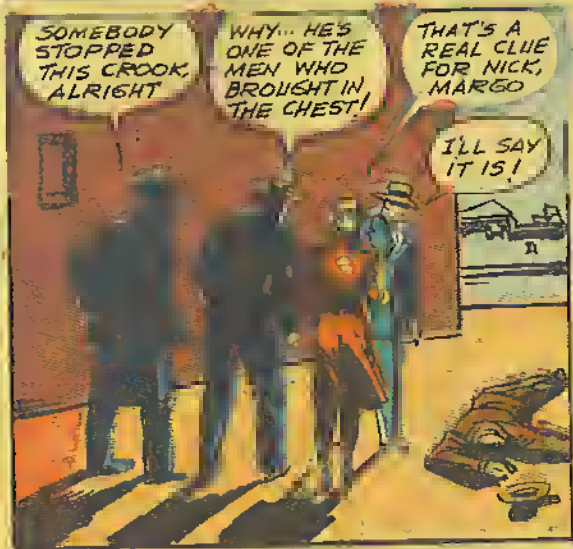
SKIP THE CHEST AND TELL ME MORE ABOUT THE EMERALDS

YOU SAW THEM BRING IN THE CHEST, MARGO?

THAT'S RIGHT



MR. MALTHUNE ISN'T HOME? ... HAVE HIM CALL POLLETTE'S WHEN HE ARRIVES...



SOMEBODY STOPPED THIS CROOK, ALRIGHT

WHY... HE'S ONE OF THE MEN WHO BROUGHT IN THE CHEST!

THAT'S A REAL CLUE FOR NICK, MARGO

I'LL SAY IT IS!



VOX SENT THAT CHEST HERE AND IT CONTAINED A TIME-BOMB THAT BLEW THE VAULT

AN EXCELLENT ANALYSIS, CARTER

MR. CARTER! I AM NO LONGER DEVASTATED!



I AM NO LONGER DEVASTATED!  
MR. MALTHUNE JUST PHONED  
TO SAY HE STILL HAS THE  
REAL EMERALDS! THOSE  
HE SENT HERE WERE  
ONLY REPLICAS!

THAT'S  
AN  
ANGLE!

WHEN VOX FINDS  
OUT THE EMERALDS  
ARE FALSE, HE  
WILL TRY TO ROB  
MALTHUNE NEXT!

THAT WOULD BE  
DEVASTATING!  
YOU MUST  
PREVENT IT,  
MR CARTER!

LOOKS  
LIKE WE'RE  
GOING TO  
MALTHUNE'S  
LAMONT

YOU ARE, BUT  
I'M NOT. WHEN  
YOU GET THERE,  
GIVE CARTER  
THIS  
NOTE.

SO THIS IS MALTHUNE'S  
MANSION! WHAT  
A HUGE PLACE!

IT MAKES  
MY HOUSE  
LOOK LIKE  
A COTTAGE!

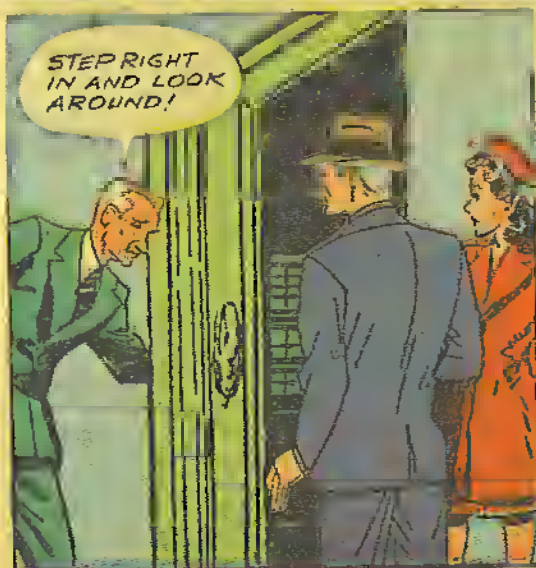
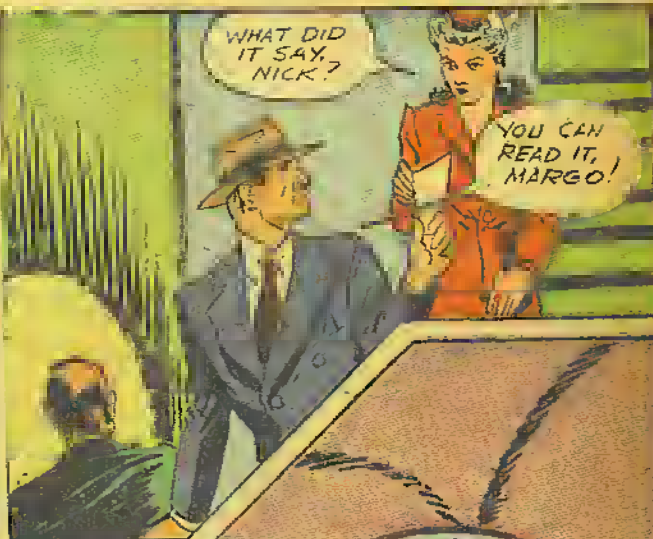
MY OWN VAULT  
IS IN THE  
CELLAR STRONG  
ROOM. WAIT  
UNTIL YOU  
SEE IT!

LEAD  
ON,  
MALTHUNE

WAIT... NICK!  
HERE'S  
SOMETHING  
FOR YOU

THANKS FOR WANTING TO  
PROTECT ME, CARTER, BUT  
I WON'T NEED IT... **COME...**  
**I'LL SHOW YOU WHY!**







HERE ARE THE  
REAL EMERALDS.  
THEY ARE THE  
BAIT THAT  
MALTHUNE  
PLANTED TO BRING  
US HERE! THE  
SHADOW KNEW!

THEN  
MALTHUNE  
IS REALLY  
VOX!

OF COURSE! ONE  
CLUE WAS THE FACT  
HE WASN'T HOME  
WHEN WE PHONED  
HERE. LOOK,  
MARCO...

BUNDLES OF  
MONEY FROM VOX'S  
BANK ROBBERIES...  
AND GEMS FROM  
STORES LIKE  
POLLETTES!

BUT WE'RE  
TRAPPED...  
FOR KEEPS...

NO WE  
AREN'T.  
VAULTS ARE  
MADE TO  
KEEP PEOPLE OUT  
...NOT IN!

ALL I NEED IS  
THIS POCKET  
SCREWDRIVER TO  
TAKE OFF  
THE INSIDE  
PLATE...

AND USE THE  
SAME SIMPLE  
TOOL TO WORK  
THE MECHANISM!

THERE GO  
THE TUMBLERS!  
I HEAR THEM  
FALL!

CLICK

IN TEN MINUTES  
THE AIR WILL  
BE EXHAUSTED.  
OUR PRISONERS  
WILL DIE!

THAT  
FINISHES  
NICK CARTER!

WE'LL  
GET THE  
SHADOW  
NEXT!

MEANWHILE

SO MALTHUNE  
THINKS THIS  
DOOR CAN  
KEEP ME OUT  
OF HIS HOUSE!  
HERE'S A QUICK  
WAY TO UNLOCK  
IT!

POW!





UP WITH THEM... ALL OF YOU!

CARTER! COMING OUT ALIVE!

HE'S GOT US COVERED!

SHOOT IT OUT WITH HIM, YOU FOOLS!



IT'S THE SHADOW! HE'S TAKING THEM OUT FOR YOU, NICK!

AND OPENING A PATH RIGHT TO MALTHUNE!

SETTLE CARTER, MEN! I'LL SPOT THE SHADOW BY HIS GUNFIRE!



NO YOU WON'T, MALTHUNE. I'M SPOTTING YOU FIRST... BY YOUR CHIN!

WOW! WHAT A WALLOP!

AND THAT SETTLES THIS SITUATION!



THIS IS VOX, ALIAS ROSCOE MALTHUNE! YOU'LL HAVE TO CARRY OUT THE REST...

ON STRETCHERS!

THERE GOES ANOTHER WEED-REAPER!

THE CENTURY'S MOST ASTOUNDING IDEA! A 3-DIMENSIONAL MOVIE! A MOVING PICTURE COMES TO LIFE!

IN THE NEXT ISSUE OF THE SHADOW COMICS

# THE NEW YORK TIMES

FRIDAY, MAY 1, 1964

THE NEW YORK TIMES  
PUBLISHED DAILY  
EXCEPT ON SUNDAYS AND HOLIDAYS  
5 CENTS



